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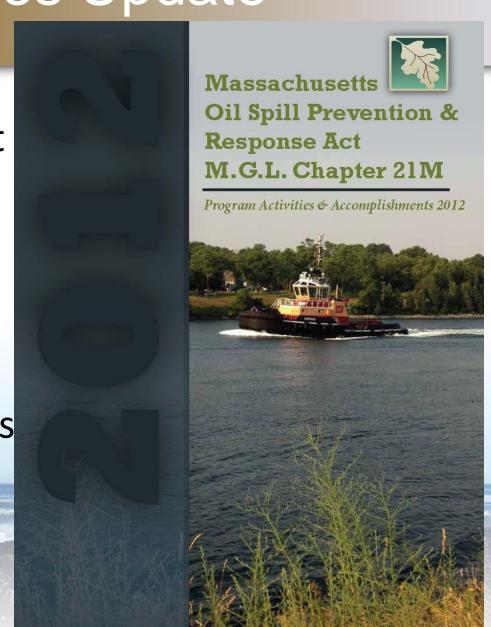


MOSPRA Program Implementation Activities October 2013 Update

MOSPRA Advisory Committee Meeting

Program Activities Update

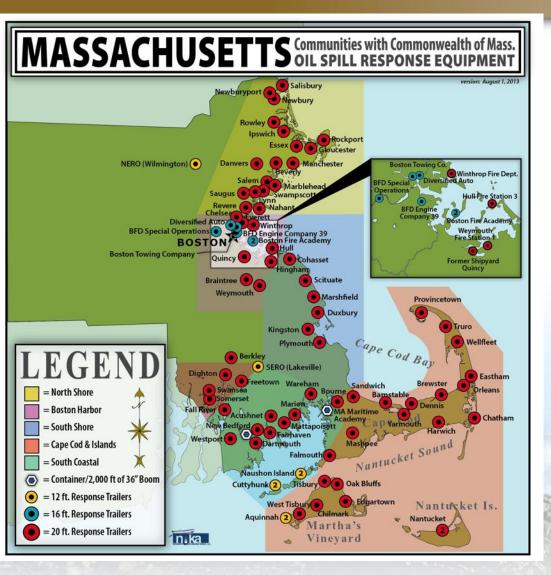
- Equipment procurement
- Geographic Response Plans (GRP)
- GRP Field Exercises
- Homeland Security
 Overtime Funding Grants



Equipment Procurement

- Initial phase of equipment procurement complete (trailers, conex box)
- Evaluate for equipment gaps (skimming, wildlife rehabilitation)
- Continue commitment to maintain and restock

Spill Response Trailers

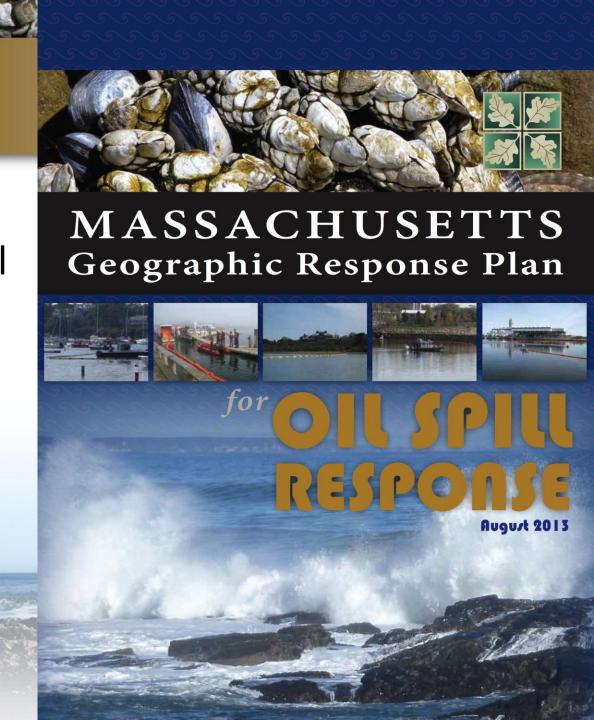


- 81 Trailers State-Wide
- 20', 12', and 16' trailers
- Aggregate capacity >80,000 ft boom
- Municipalities have discretion to use
- Resupply & maintenance program
- Mutual aid/cascade procedure

GRP Program 2007-2013

Goal:

Enhance local spill preparedness by pre-identifying tactics to protect high priority sites from marine oil spill impacts.

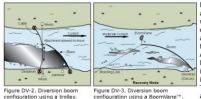


GRP Core Elements

- Standard tactics & terminology
- Responder-oriented
- Local protection priorities
- Flexible & modifiable
- Standard format
- Incorporated into State GIS database & State/Federal Area Plan

Containment and Recovery Tactics

Diversion Boom



boom. Controlling a diversion boom with a vessel takes considerable skill and a vessel suited for the purpose. Another type of boom control system is a trolley as shown in Figure DV-2. Trolleys require that a line be strung from one shoreline

to another, thus they are mostly used in rivers. Trolleys may block a river to passage by vessels and they are susceptible to impacts from

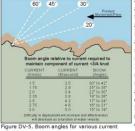
debris. A relatively new type of boom control device is built on the principle of a wing or rudder. Devices such as the Boom Vane™, allow the boom to be deployed and controlled from the shoreline (Figure DV-3). This decreases the need for vessels and anchor systems, while allowing superior control of the boom angle.

Tidal-seal Boom

A special type of boom, tidal-seal boom, is used on some boom arrays where the array contacts the shoreline to prevent oil from escaping. Tidal-seal boom typically contains three chambers as shown in Figure DV-4. Two of the chambers are filled with water, and contact the shoreline in shallow water

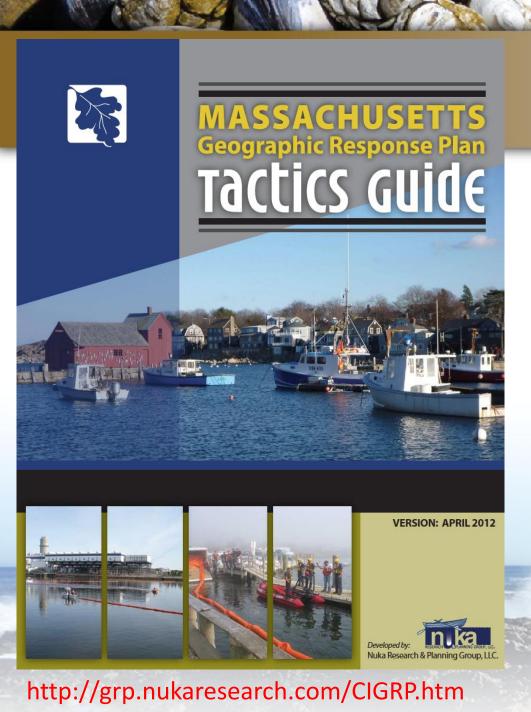
and shoreline

third chamber is usually filled with air, and provides flotation as the water level rises. Tidal-seal boom should be used in areas with a smooth bottom of gradual slope and avoided where there are large rocks and sharp breaks in the bottom. If tidal-seal boom is not available, sorbent materials such as pom-poms or snare on rope can be placed next to or attached to conventional boom to hinder oil entrainment under the boom at the beach water interface. Plans should be made to change out oiled sorbent on each low water tide cycle.



fassachusetts Geographic Response Plan Tactics Guide

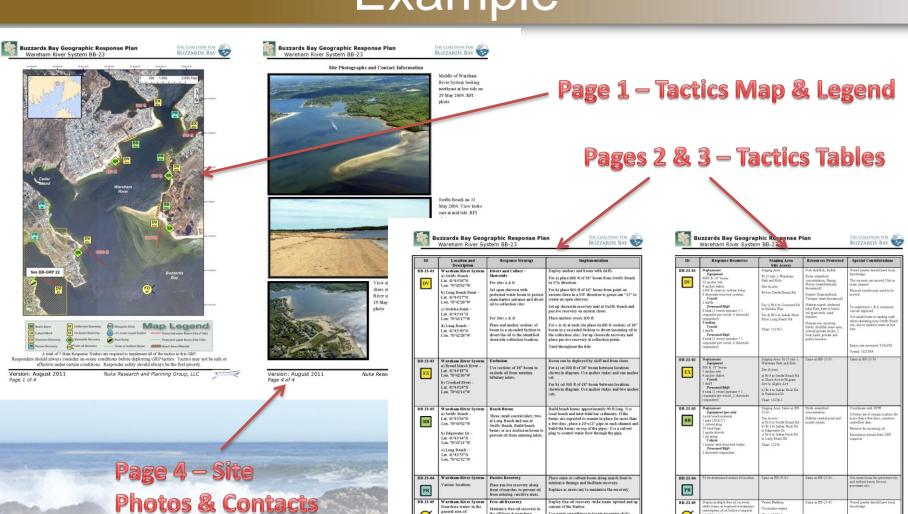




Tactics Guide

- Standard reference for GRP deployment methods.
- Standardized terminology.
- Defined resource sets.
- Facilitates GRP deployment.
- Training tool.

Geographic Response Plan Example



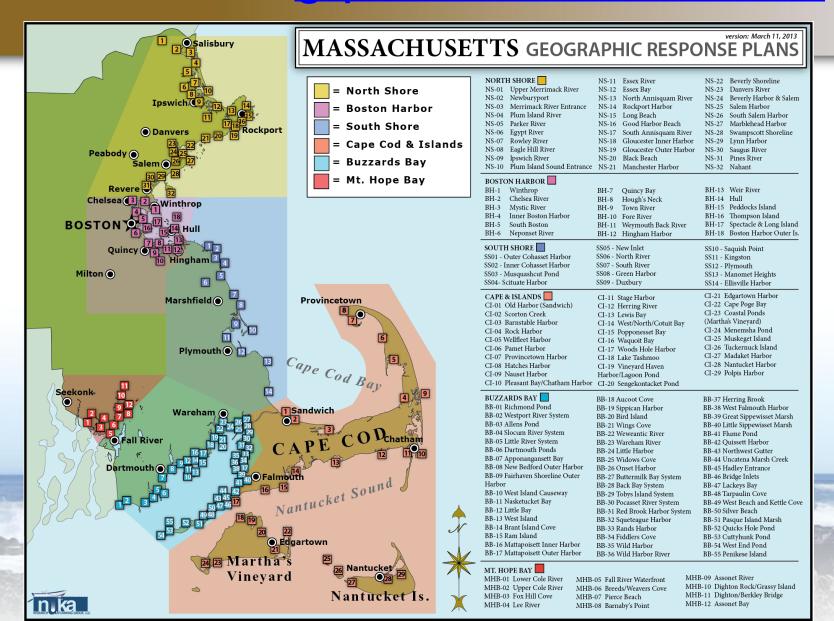
Lat. 41°43'00"N

Use aerial surveillance to locate inc

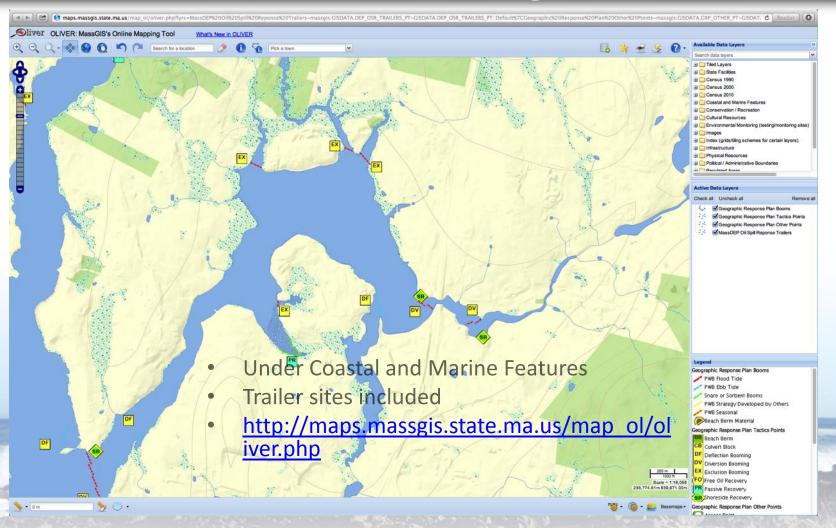
the offibore & nearshore

environment of Wareham Rive System depending on spill location and trajectory.

160 Sites grp.nukaresearch.com



GRPs on OLIVER: MassGIS's Online Mapping Tool



GRP Program Achievements





- Agency/industry/stakeholder work group process
- Consensus plans
- Local knowledge/field surveys
- Bridges equipment trailers & training/exercise program



GRP Exercises & First Responder

- Goal: Field verify GRP tactics while providing training to local first responders.
- Objectives:
 - Interagency planning & coordination
 - Resource coordination
 - Local spill preparedness



GRP Exercises & First Responder Training

- Program initiated 2009
- Field exercises and training in 51 of 70 coastal communities
- 20 of 160 GRPs tested (+2 in non-GRP sites)

• 690 participating personnel from 118 municipalities and agencies



Testing Sites through 2013

Insert map KG is making

GRP Exercise Program



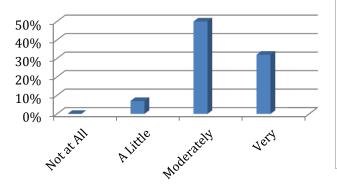
- Verification of GRP strategies
 - Feasibility of tactics
 - Field logistics
 - Rules of thumb for deployment
 - Links plans, resources, responders



GRP Exercise Program

Achieven

Based on experience today, comfort level with setting a similar boom array in actual incident





- Building local response capacity
 - Training, preparedness, skill-building benefits
 - High visibility (local -> international)
 - Program metrics & participant feedback contributing to ongoing improvements and evolution

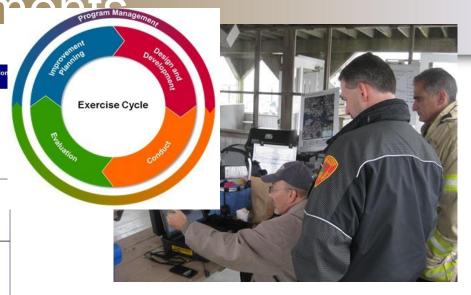


GRP Exercise Program

Achievem

APPENDIX A: IMPROVEMENT PLAN

Capability	Observation Title	Recommendation	Corrective Action Description	Capability Element	Primary Responsible Agency	Agency POC	Start Date	Completion Date
Capability 2: Communications	Integration of DFS ISUs for cross-patch capability	2.1 Consider more routine involvement of DFS ISUs during future GRP exercises based on participating municipality needs and otherwise when appropriate.		Communication	MassDEP, MassDFS	DEP and DFS	SEPT 2013	SEPT 2014
Capability 3: WMD and Hazardous Materials Response and Decontamination	Direct/Activate WMD and Hazardous material Response and Decontamination Tactical Operations	3.1 Continue to promote inter- departmental coordination and cross- pollination during future GRP exercises.	3.1.1 MassDEP's GRP exercise and first responder training program continues through 2015.	WMD and Hazardous Materials Response and Decontamination	MassDEP	DEP	SEPT ber 2013	SEPT 2014
Capability 3: WMD and Hazardous Materials Response and Decontamination	Vessel and shore-based strike teams work well together to deploy tactic/strategy	3.2 Existing DV- 01b strategy was modified prior to exercise	3.2.2 MassDEP will change the DV01b booming strategy for North River (SS- 06) and update the GRP document.	WMD and Hazardous Materials Response and Decontamination	MassDEP	DEP	SEPT 2013	SEPT 2014



- Integration with regional homeland security exercise program (HSEEP)
 - Multi-jurisdictional coordination
 - Link between spills & emergency response (plans & equipment)
 - After action/improvement planning
 - Funding for backfill and overtime



Backfill & Overtime Reimbursement









- Training budget cuts
 participation barrier
- HSEEP grant funding for exercises
 - Disbursed through regional HS advisory councils
 Exercises incorporate HSEEP objectives/elements
 - Familiar to local first responders
- Support to date
 - # towns/agencies
 - # responders
 - Total \$\$

Looking Forward...

- GRP Development complete
- Focus on Exercises/Training
 - Current 3-year program through 2015
- Customize/tailor exercises to meet communityspecific needs and capabilities
- Expand to work with other partners (MassPort, etc.)